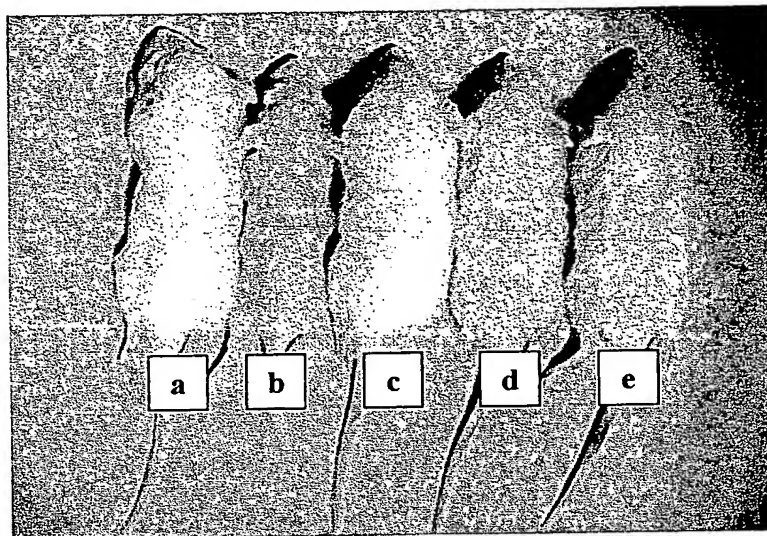


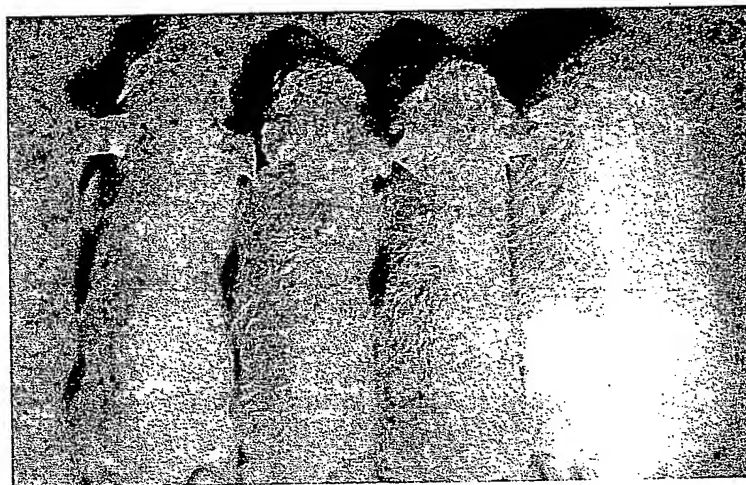
FIGURE 1



- a untreated control
- b Ara-c control
- c SEQ ID NO: 2
- d SEQ ID NO: 3
- e SEQ ID NO: 22

1003390 000000

FIGURE 2



*Ara-c control*

*Ara-c +SEQ ID NO: 10*

*0.1mg*

*0.5mg*

*2.5mg*

10032330 123101

FIGURE 3A

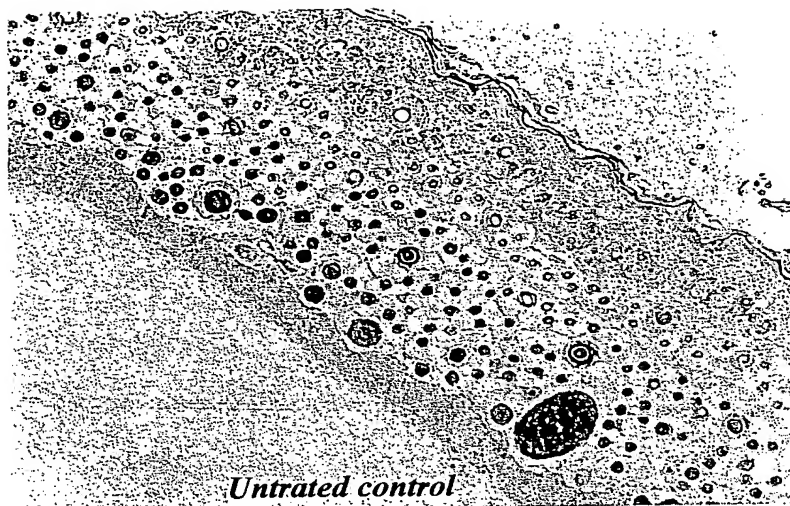


FIGURE 3B

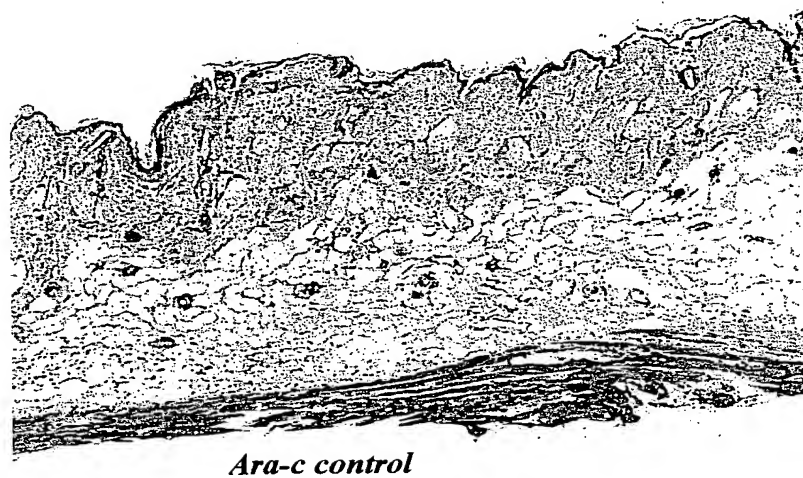
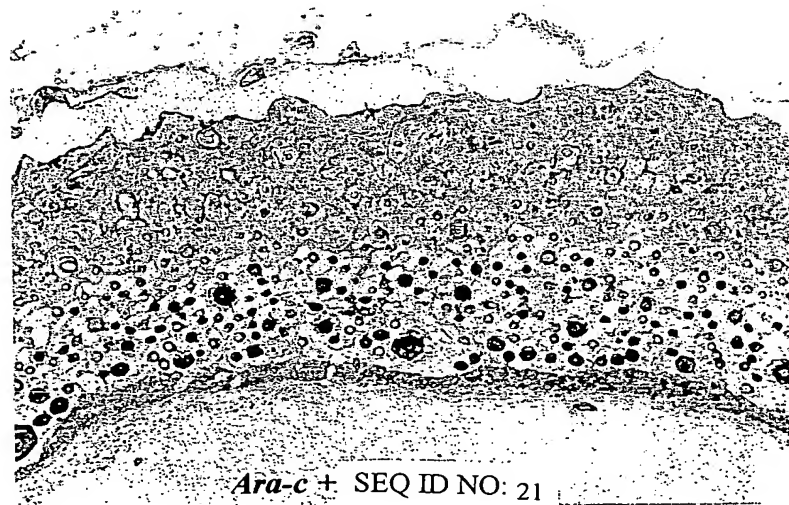


FIGURE 3C



10032330-123101

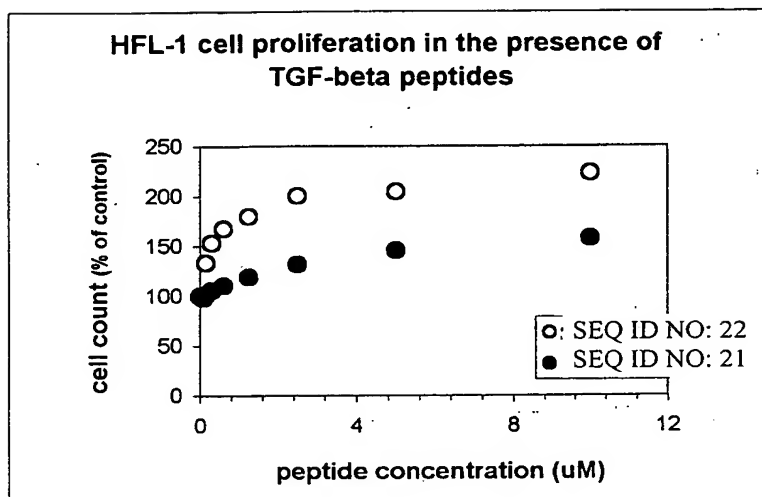


FIGURE 5A

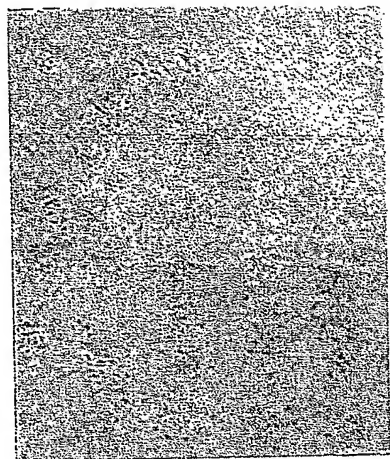


FIGURE 5B

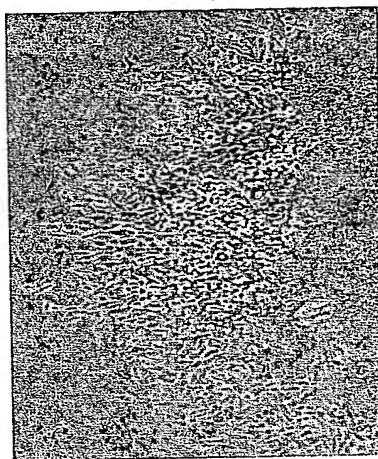


FIGURE 5C

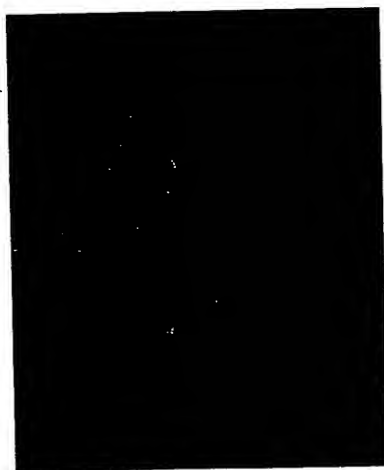


FIGURE 5D



10032330 123101

FIGURE 6A

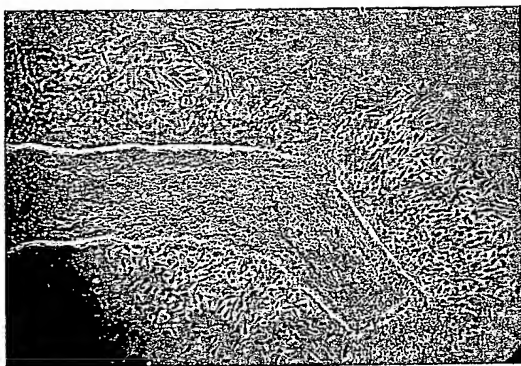


FIGURE 6B

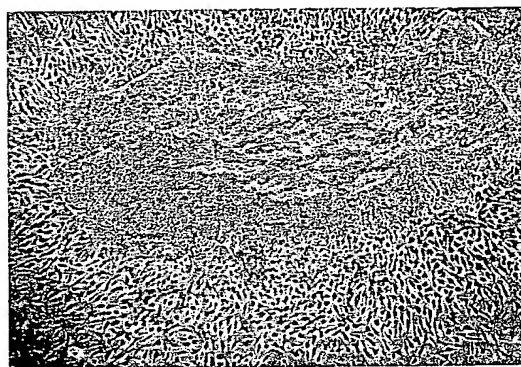


FIGURE 6C

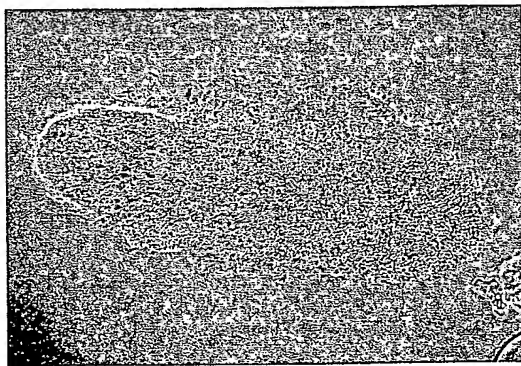
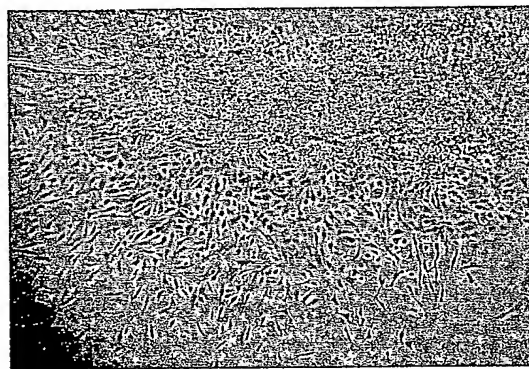


FIGURE 6D



1003330 123101  
FOOT 000000

103002301

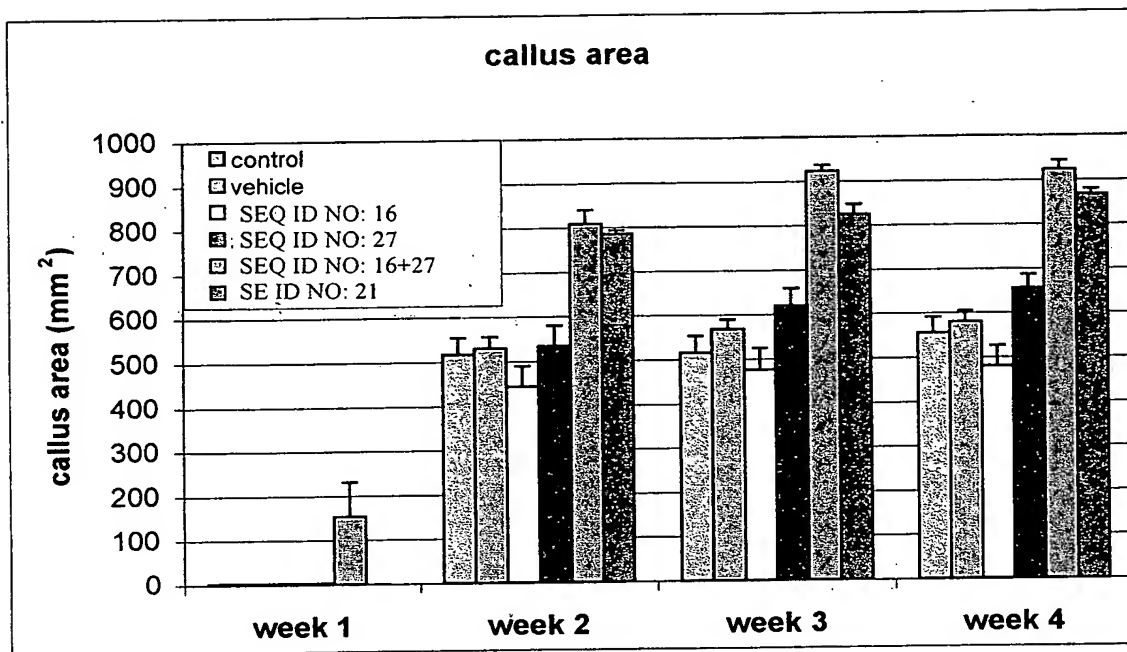


FIGURE 8

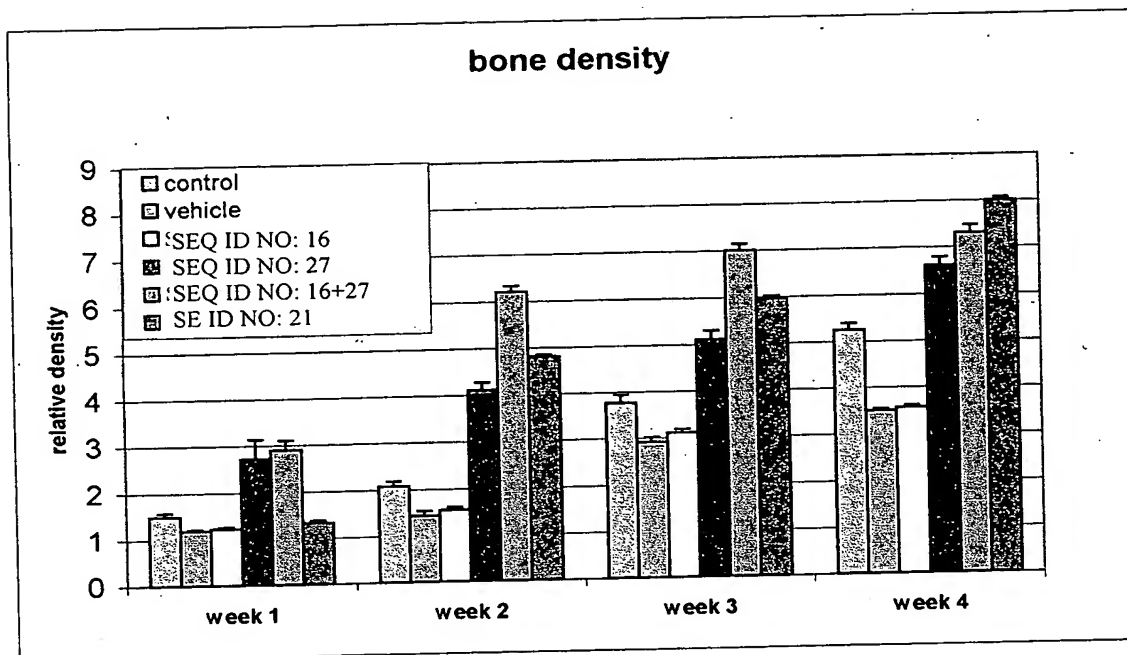


FIGURE 8



[illegible]

FIGURE 10A

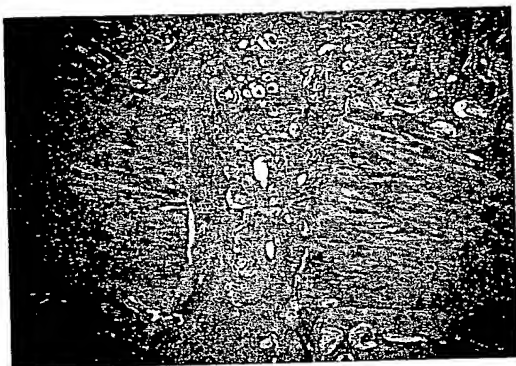


FIGURE 10B



40032330 123101

10032330 "123401  
TOTEET 0EE2E00F

FIGURE 11A



FIGURE 11B

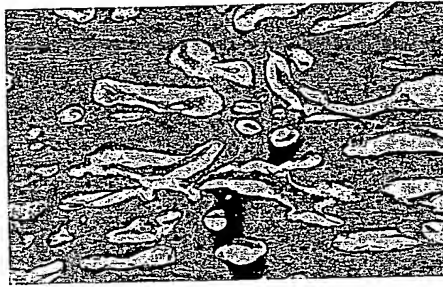


Fig 12

HJ-loop

```
TBR1      E I A R R C S I G G I --- H E D Y Q L P Y Y D L V P S D P S V E E
ACTR2     E L V S R C K A A D G -- P V D E Y M L P F E E E I G Q H P S L E E
BMR2      E I F M R C T D L F P G E S V P E Y Q M A F Q T E V G N H P T F E D
TBR2      E M T S R C N A V G E --- V K D Y E P P F G S K V R E H P C V E S
ALK4      E I A R R C N S G G V --- H E E Y Q L P Y Y D L V P S D P S I E E
ALK3      E M A R R C I T G G I --- V E E Y Q L P Y Y N M V P S D P S Y E D
ALK1      E I A R R T I V N G I --- V E D Y R P P F Y D V V P N D P S F E D
*:      *              : *  . :      :  . . *  * .
```

Alpha-D region  
CLUSTAL X (1.81) multiple sequence alignment

```
TBR1      ---- S D Y H E H G S L F D Y L N R Y T V T V E
ACTR2     ---- T A F H D K G S L T D Y L K G N I I T W N E
BMR2      ---- M E Y Y P N G S L C K Y L S L H T S D W V
TBR2      T A F H A K G N L Q E Y L T R H V I S W E
ALK4      ---- S D Y H E H G S L F D Y L N R Y T V T I E
ALK3      ---- T D Y H E N G S L Y D F L K C A T L D T R
ALK1      ---- T H Y H E H G S L Y D F L Q R Q T L E P H
              : :  : * . *  . : *
```

B4-B5 region

```
TBR1      A D N K D N G - T W T Q L W L V S D
ACTR2     A E K R G S S - L E A E L W L I T A
BMR2      G D E R V T A D G R M E Y L L V M E
TBR2      A E E R K T E - L G K Q Y W L I T A
ALK4      A D N K D N G - T W T Q L W L V S D
ALK3      A D I K G T G - S W T Q L Y L I T D
ALK1      S D M T S R N - S S T Q L W L I T H
              . :          :      * :
```

A-region

```
TBR1      ---- Q T V M L R H E N I L G F I A
ACTR2     ---- S T P G M K H E N L L Q F I A
BMR2      ---- R V P L M E H D N I A R F I V
TBR2      S D I N L K H E N I L Q F L T
ALK4      ---- Q T V M L R H E N I L G F I A
ALK3      ---- Q T V L M R H E N I L G F I A
ALK1      ---- N T V L L R H D N I L G F I A
              : . * : * :      * : .
```

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